

## REVISONS

REV	DESCRIPTION	DR	CH	DATE	APPROVAL
DO	PROD REL PER EN 3960	JM	100	7/16/75	P. K.
D1	INCORPORATE EN 4076	EDC	55176	7/16/75	
D2	INCORPORATE EN 4054	EDC	55176	7/16/75	
D3	INCORPORATE EN 4150	EDC	55176	7/16/75	
D4	INCORPORATE EN 4157	EDC	55176	7/16/75	
D5	INCORPORATE EN 4405	EDC	55176	7/16/75	
D6	INCORPORATE EN 4671	EDC	55176	7/16/75	
D7	INCORPORATE EN 5070	DS	125-1	7/16/75	
D8	INCORPORATE EN 5122	DS	125-1	7/16/75	
D9	INCORPORATE EN 5209	DS	125-1	7/16/75	
D10	INCORPORATE EN 5327	DS	125-1	7/16/75	
D11	INCORPORATE EN 5575 H	AGR AD	1-1	7/16/75	
D12	INCORPORATE EN G255 H	AGR AD	1-1	7/16/75	
D13	INCORPORATE EN G352 H	AGR AD	1-1	7/16/75	
D14	INCORPORATE ENG399 H	AGR AD	1-1	7/16/75	
D15	INCORPORATE ENG492 H	AGR AD	1-1	7/16/75	
D16	INCORPORATE ENG595 H	AGR AD	1-1	7/16/75	
D17	INCORPORATE ENG622 H	AGR AD	1-1	7/16/75	
D18	INCORPORATE ENG6729 H	AGR AD	1-1	7/16/75	
D19	INCORPORATE ENG6839 D	AGR AD	1-1	7/16/75	

PIN	SIGNAL	DIRECTION	LOCATION
PIN 201	GND	→	B8
202	GND	→	B8
203	+12V	NU	
204	+12V		
205	+12V		
206	+12V		
207	-12V		
208	-12V	NU	
209	DPIN	→	C60
210	DPOT	→	C57
211	TTLF	NU	
212	+5H	NU	
213	+5V	→	B8
214	+5V	→	B8
215	MST	→	D57
216	NU	NU	
217	MACK	→	C60
218	ZD	→	D57
219	SPA	NU	
220	SLB	NU	
221	PFD	→	D62
222	MDIS	NU	
223	AB08	→	C33
224	AB09	→	C33
225	AB10	→	D33
226	AB11	→	D33
227	GND	→	A8
228	GND	→	A8
229	AB12	→	D33
230	AB13	→	D33
231	AB14	→	D33
232	AB15	NU	
233	AL	NU	
234	BM	NU	
235	STD	→	B57
236	SACK	→	D62
237	MBIN	→	B58
238	MBDT	→	B57
239	DB00	→	A20
240	DB01	→	A20
241	DB02	→	A20
242	DB03	→	A20
PIN 243	+5V	→	B8

PIN	SIGNAL	DIRECTION	LOCATION
PIN 244	+5V	→	B8
245	DB04	→	A20
246	DB05	↑	
247	DB06	↑	
248	DB07	↑	
249	DB08	↑	
250	DB09	↑	
251	DB10	↑	
252	DB11	↑	
253	DB12	→	A20
254	DB13	→	B20
255	DB14	→	B20
256	DB15	→	B20
257	EXEC	→	B64
258	IN	NU	
259	GND	→	A8
260	GND	→	A8
261	I0CL	→	A64
262	OUT	→	B64
263	CIR	NU	
264	SER	→	B57
265	IUE	→	A62
266	ILT	NU	
267	IAR	→	B62
268	IL2	NU	
269	EST	→	B64
270	IUA	NU	
271	PLSE	→	C64
272	ECHO	NU	
273	+5V	→	B8
274	+5V	→	B8
275	AB03	→	C33
276	AB04	↑	
277	AB05	↓	
278	AB06	→	B33
279	AB07	→	
280	AB08	→	
281	AB01	→	
282	AB02	→	C33
283	PRIN	→	A64
284	PRFT	→	A64
285	GND	→	A8
PIN 286	GND	→	A8

PIN	SIGNAL	DIRECTION	LOCATION
PIN 1	HD LOAD RTN	→	C37
2	HEAD LOAD	→	C37
3	DIRECT RTN	→	D37
4	DIRECTION	→	D37
5	LAWCUR RTN	→	D37
6	LAW CURRENT	→	D37
7	STEP RTN	→	D37
8	STEP	→	D37
9	UO RTN	→	B37
10	UO	→	B37
11	U2 RTN	→	C37
12	U2	→	C37
13	U3 RTN	→	C37
14	U3	→	C37
15	UI RTN	→	B37
16	UT	→	C37
17	NU		
18	NU		
19	NU		
20	NU		
21	READ DATA RTN	→	B56
22	READ DATA	→	B56
23	WR PRODTM	→	A56
24	WRITE PRDT	→	A56
25	TRACK RTN	→	B56
26	TRACK	→	B56
27	INDEX RTN	→	C56
28	INDEX	→	C56
29	FILE MRTN	→	C56
30	FILE MTD	→	C56
31	READY RTN	→	D56
32	READY	→	D56
33	NU		
34	NU		
35	WR.EN RTN	→	B37
36	WRITE ENBL	→	B37
37	WR.DAT RTN	→	B37
38	WRITE DATA	→	B37
39	NU		
PIN 40	NU		

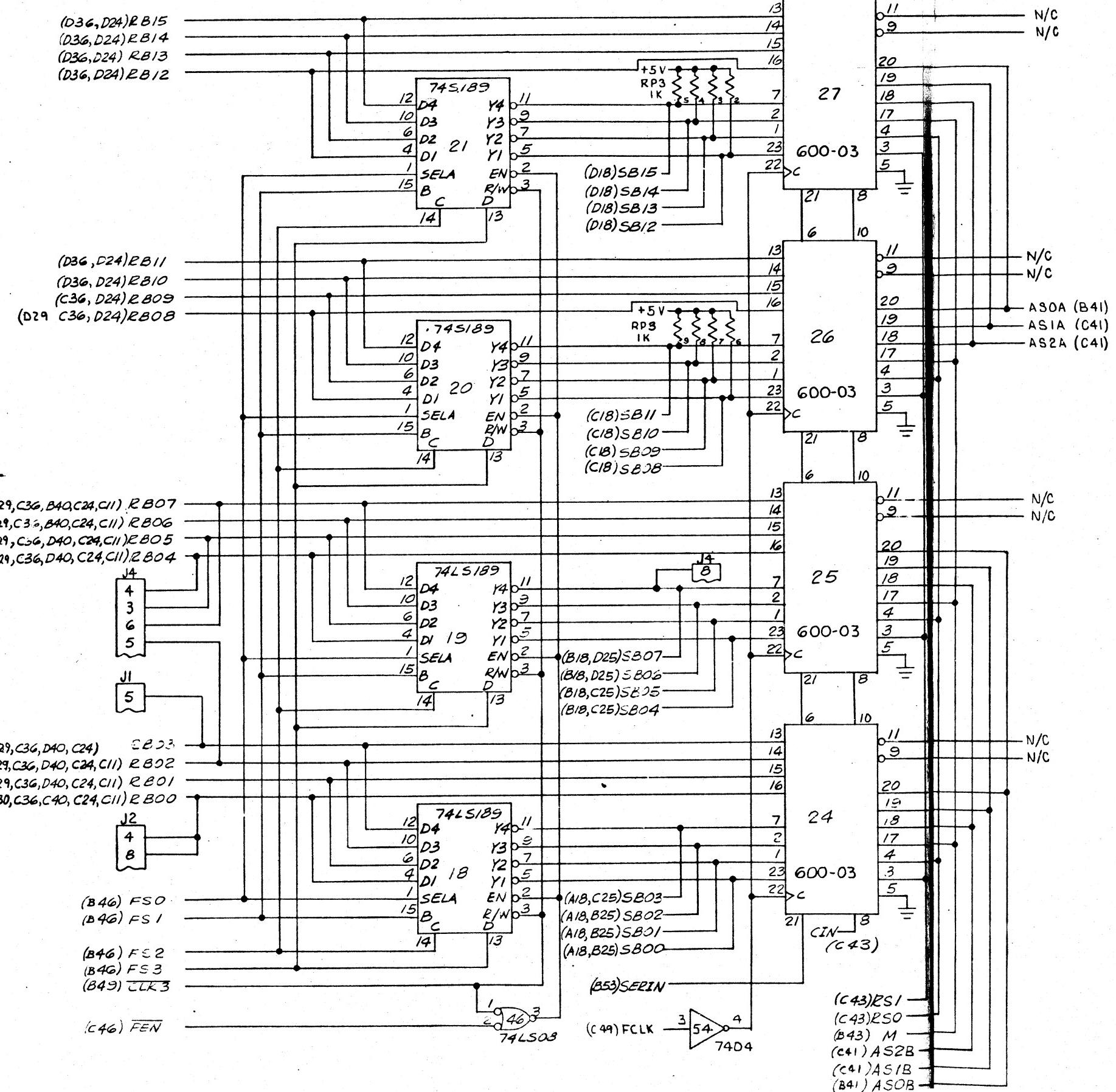
PIN	SIGNAL	DIRECTION	LOCATION
PIN 1	DB13	→	D19
2	G3	→	C21
3	DB14	→	C23
4	R800	→	B16
5	DB12	→	D19
6	DB13	→	B16
7	DB12	→	D19
8	DB10	→	B16
PIN 8	DB06	→	C20

PIN	SIGNAL	DIRECTION	LOCATION
PIN-1	SB12	→	C60
2	SB13	→	D17
3	SB14	→	D17
4	SB15	→	D17
5	DB10	→	D21
6	DB11	→	D21
7	DB07	→	C20
PIN 8	RCLK	→	B63

PIN	SIGNAL	DIRECTION	LOCATION
PIN 1	DBLRST	→	B24
2			
3	R805	→	B16
4	R804	→	B16
5	R802	→	B16
6	R807	→	

16 ■ 15 ■ 14 ■ 13 ■ 12 ■ 11 ■ 10 ■ 9 ■

REVISIONS				
REV	DESCRIPTION	DR	CH	DATE
				APPROVAL

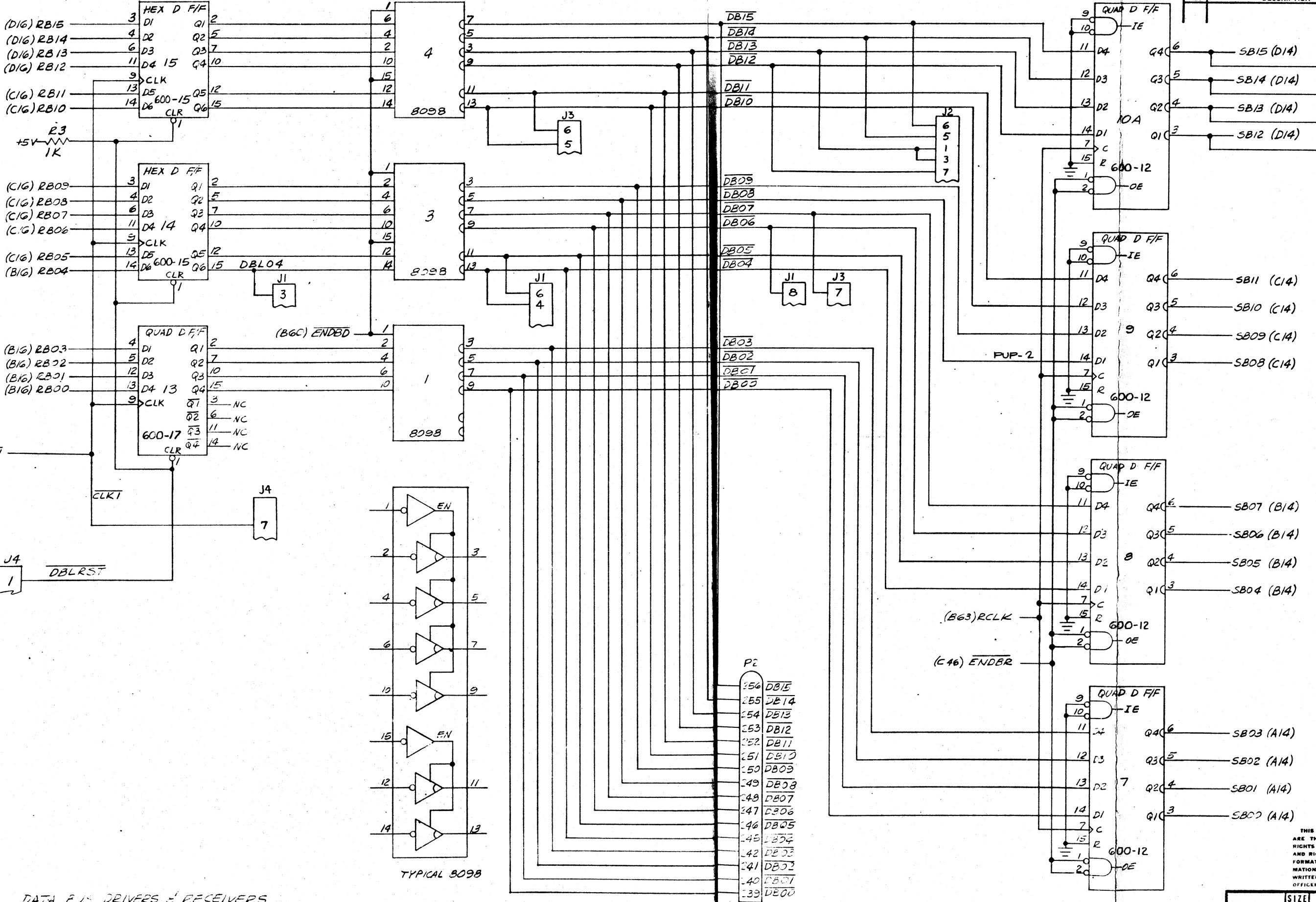


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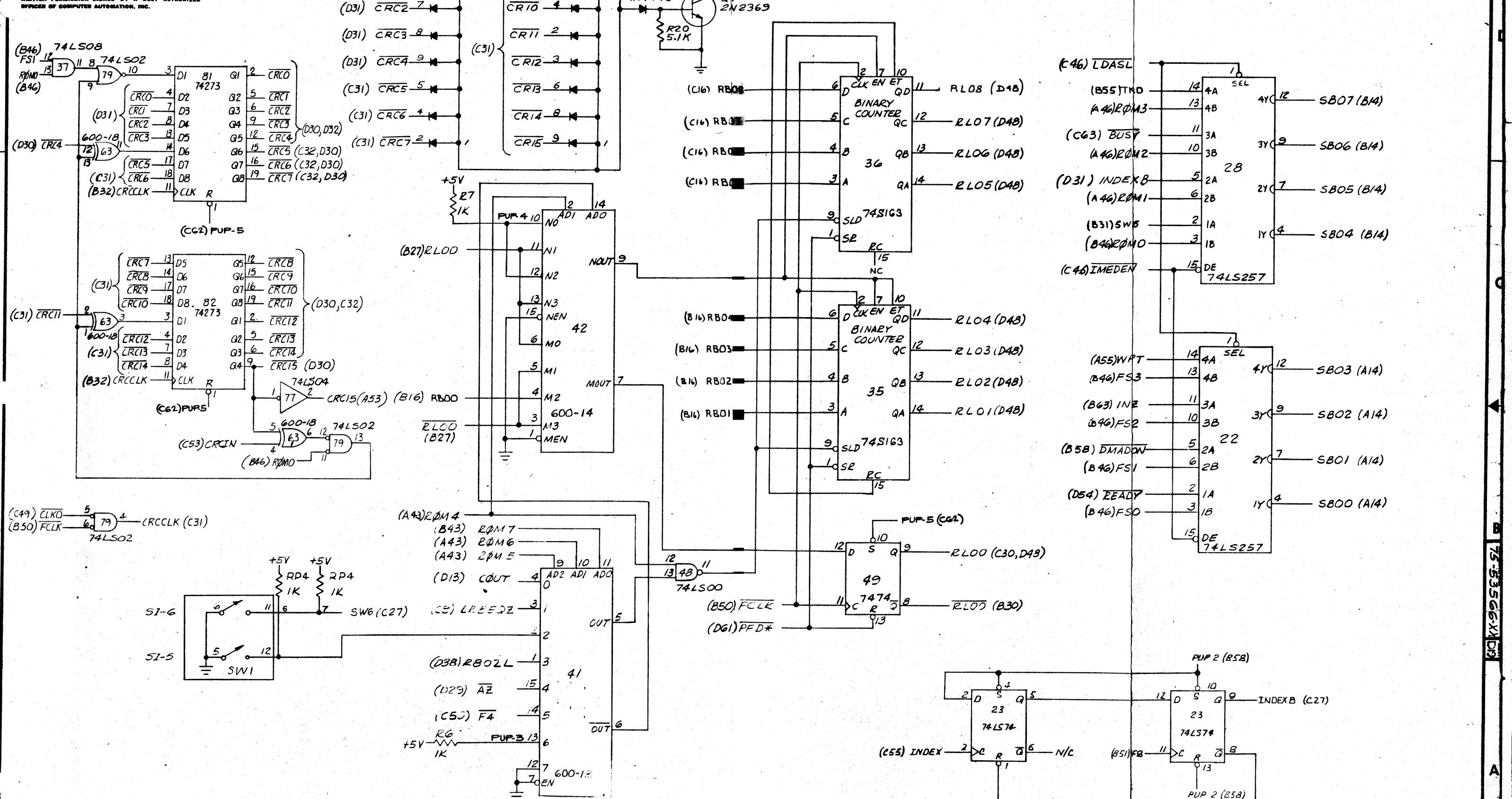
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## REVISIONS

REV	DESCRIPTION	DR	CH	DATE	APPROVAL
J3	SB15 (D14)	4			
J3	SB14 (D14)	3			
J3	SB13 (D14)	2			
J3	SB12 (D14)	1			



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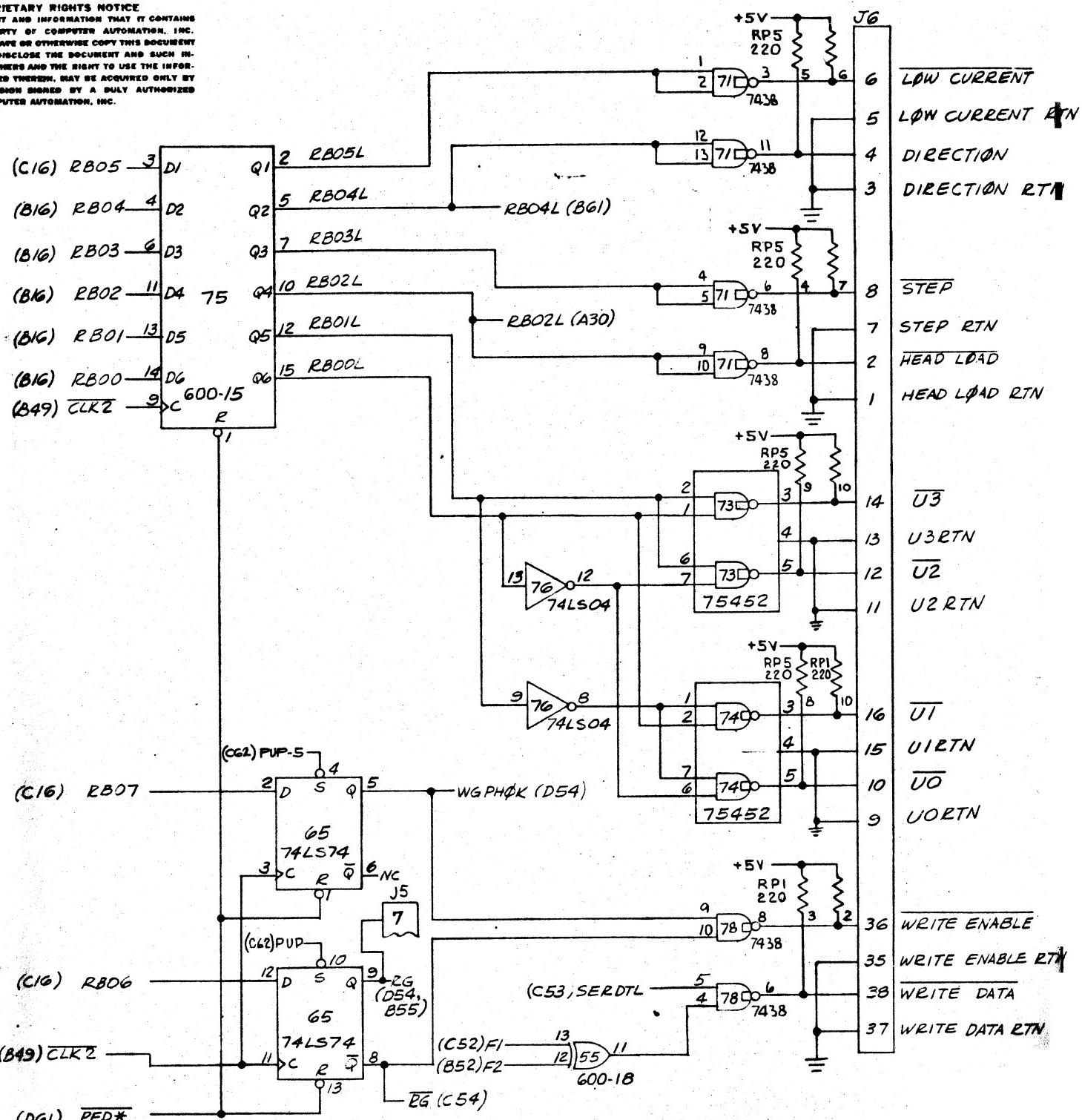
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## TRANSPORT DRIVERS

W CURRENT  
W CURRENT RTN  
RECTION  
RECTION RTN

EP  
EP RTN  
AD LOAD  
AD LOAD RTN

13  
3 RTN  
12  
2 RTN

1  
IRTN  
10  
ORTN

LITE ENABLE  
LITE ENABLE RTN  
LITE DATA  
LITE DATA RTN

(D16) RB15	3	D1	Q1	2
(D16) RB14	4	D2	Q2	5
(D16) RB13	6	D3	Q3	7
(D16) RB12	11	D4	16	10
(C16) RB11	13	D5	Q5	12
(C16) RB10	14	D6	Q6	15
	9	600-15		

(C/G)	R809	14	D6	Q16	15
(C/G)	R808	4	D2	Q2	5
(C/G)	R807	11	D4	Q4	10
(C/G)	R806	3	D1	11	Q1 2
(C/G)	R805	13	D5	Q5	12
(C/G)	R804	6	D3	Q3	7

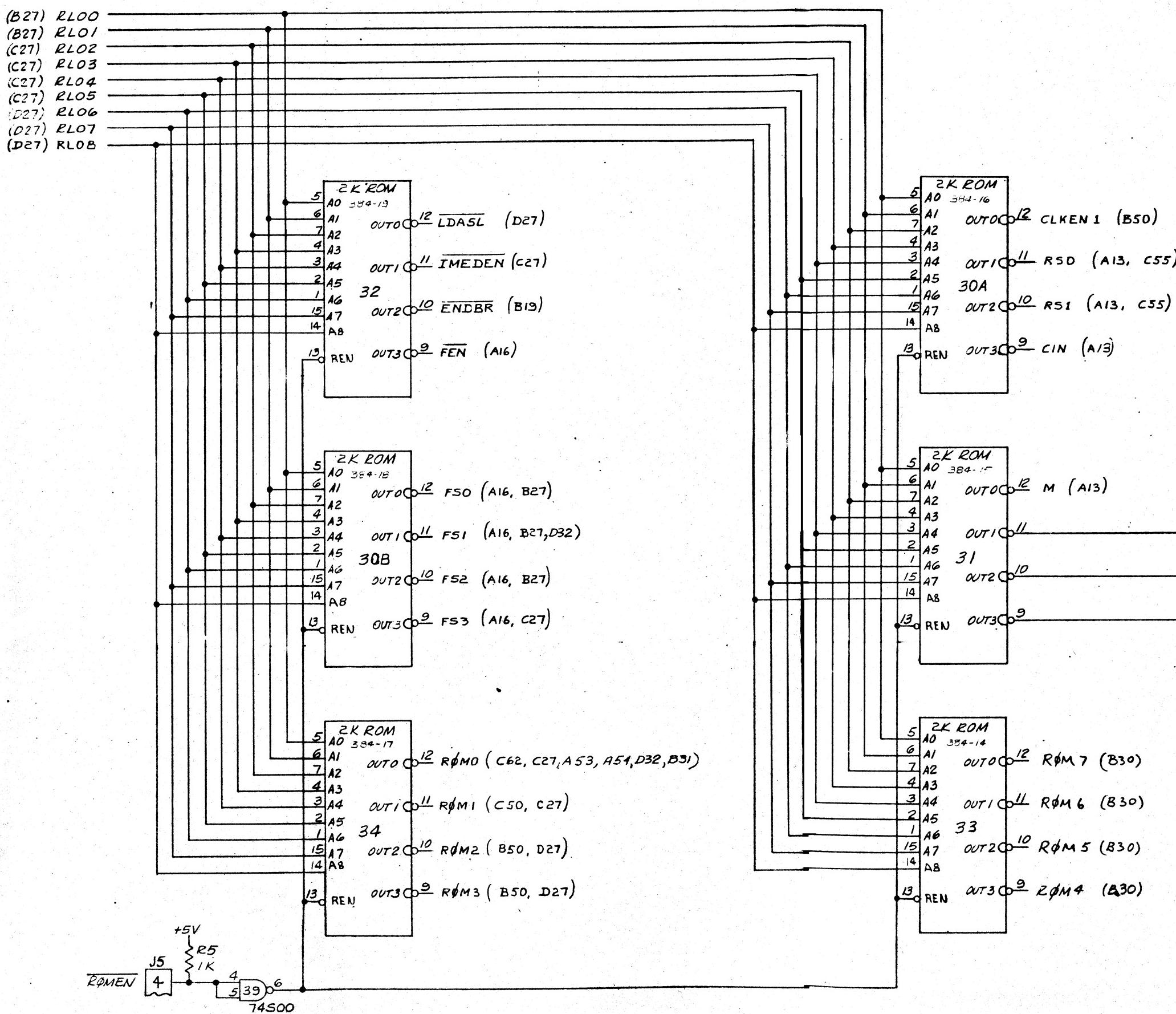
(BIG) RB03		5	D2	Q2	7
(BIG) RB02		12	D3	Q3	10
(BIG) RB01		13	D4	Q4	15
(BIG) RB00		4	D1	5B	G1
		9	C	Q1	3
					6

## A BUS DRIVERS

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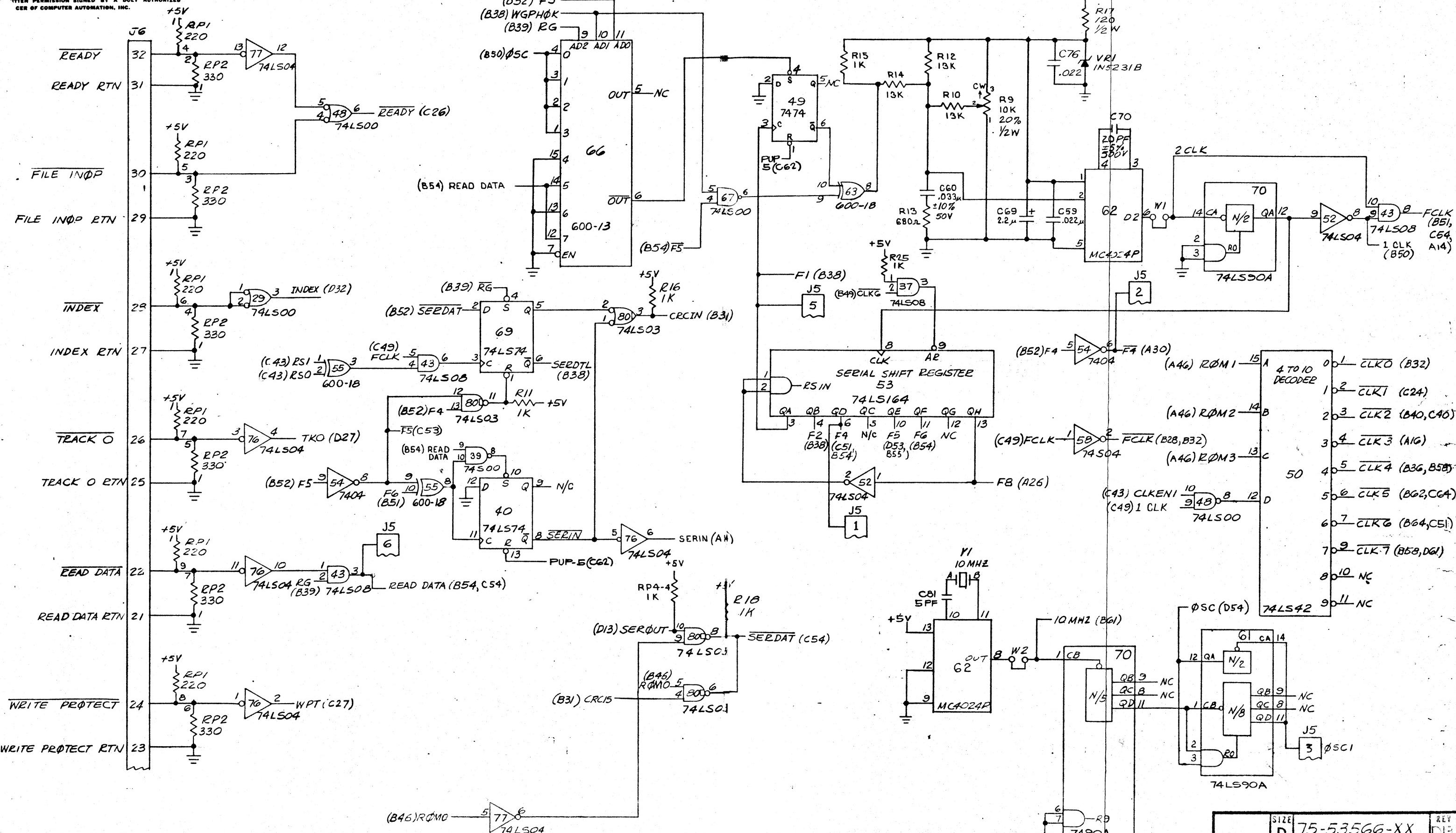
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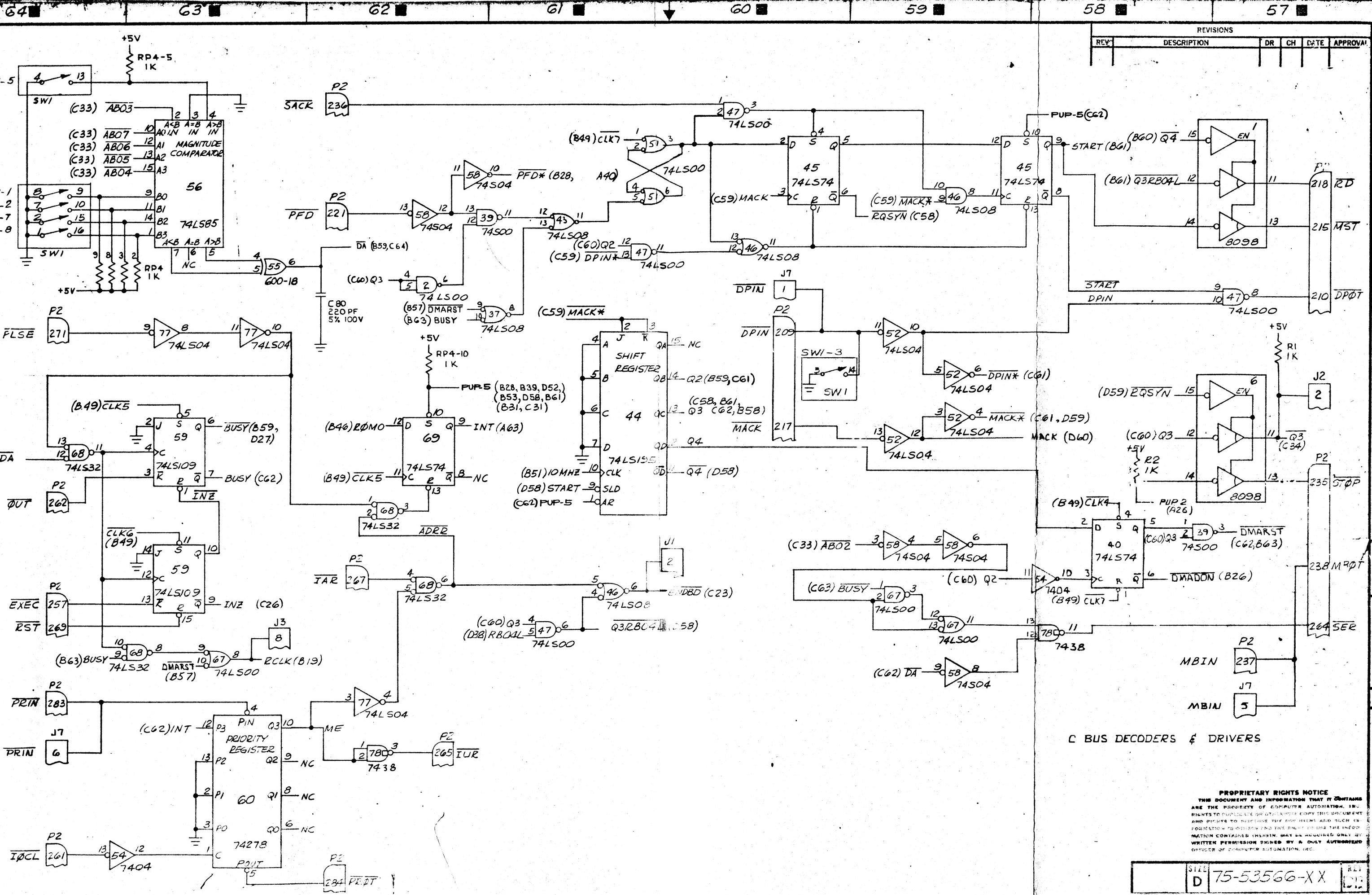
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SCALE: 1/4 INCH = 1 FT

SH. 0 OF 6



**ComputerAutomation®**  
18651 Von Karman, Irvine, Calif.

**ENGINEERING  
NOTICE**

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REASON FOR CHANGE:		REA NO. 7022, 7026																																																																																																															
01-49600-XX SERIES IS NO LONGER IN USE.  ALL DASH NUMBERS HAVE BEEN REPLACED.		CO-ORD WITH: REA: 7023, 7027, 7029, 7025																																																																																																															
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<p>A. 70-53566-01, B/M</p> <p>1. CHANGE ITEM 37</p> <p>IS: P/N: 01-49419-03, QTY: 2 DESC: IC 74LS86, REF DESIG: 55,63</p> <p>WAS: P/N: 01-49600-18, QTY: 2 DESC: IC 74LS153, REF DESIG: 55,63</p> <p>2. CHANGE ITEM 28</p> <p>IS: P/N: 01-49420-12, QTY: 1, DESC: IC 74LS153, REF. DESIG: 42</p> <p>WAS: P/N: 01-49600-14, QTY: 1, DESC: IC SPECIAL, REF. DESIG: 42</p>																																																																																																																	
<table border="1"> <thead> <tr> <th colspan="2">TYPE</th> </tr> <tr> <td>AEN</td> <td><input type="checkbox"/></td> </tr> <tr> <td>STOP ORDER</td> <td><input type="checkbox"/></td> </tr> <tr> <td>DEVIATION</td> <td><input type="checkbox"/></td> </tr> <tr> <td>RELEASE</td> <td><input type="checkbox"/></td> </tr> <tr> <td>STANDARD</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <th colspan="2">CLASS</th> </tr> <tr> <td>A-MAND/FUNC</td> <td><input type="checkbox"/></td> </tr> <tr> <td>B-NON-MAND/FUNC</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>C-RECORD CHG</td> <td><input type="checkbox"/></td> </tr> <tr> <th colspan="2">AFFECTED ITEMS</th> </tr> <tr> <td>HARDWARE CHG.</td> <td><input checked="" type="checkbox"/> PRIM. <input type="checkbox"/> SEC.</td> </tr> <tr> <td>SOFTWARE CHG.</td> <td><input type="checkbox"/></td> </tr> <tr> <td>PUBL. 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NO TEST REQ'D	<input checked="" type="checkbox"/>																																																																																																																
APPROVALS																																																																																																																	
ENGR.	<u>J. Ford</u>																																																																																																																
SOFTWARE	<u>M. S</u>																																																																																																																
Q.A.	<u>M. S</u>																																																																																																																
CAP. TEST	<u>Drawn</u>																																																																																																																
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DR. BY: K. FORD	15 DEC 81																																																																																																																
CHKD. BY: <u>R. Easton</u>	12 JAN 82																																																																																																																
REL. BY: <u>R. Easton</u>																																																																																																																	
DATE: 13 Jan 82																																																																																																																	

| 97 N SHEET 1 OF 2 | | | | | |

A. 70-53566-01, B/M  
 3. CHANGE ITEM 16  
IS: P/N: 01-49420-03, QTY: 2, DESC: IC 74LS175, REF. DESIG: 58,13  
WAS: P/N: 01-49600-17, QTY: 2, DESC: IC SPECIAL, REF. DESIG: 58,13

4. CHANGE ITEM 27  
IS: P/N: 01-49420-14, QTY: 2, DESC: IC 74LS151, REF. DESIG: 41,66  
WAS: P/N: 01-49600-13, QTY: 2, DESC: IC SPECIAL, REF. DESIG: 41,66

5. CHANGE ITEM 21  
IS: P/N: 01-492020-05, QTY: 4, DESC: IC 745281, REF. DESIG: 24,25,26,27  
WAS: P/N: 01-49600-03, QTY: 4, DESC: IC SPECIAL, REF. DESIG: 24,25,26,27

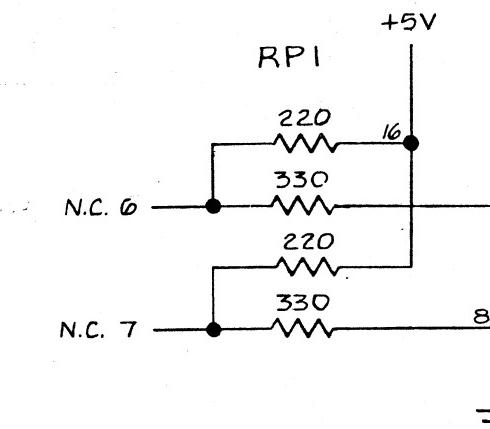
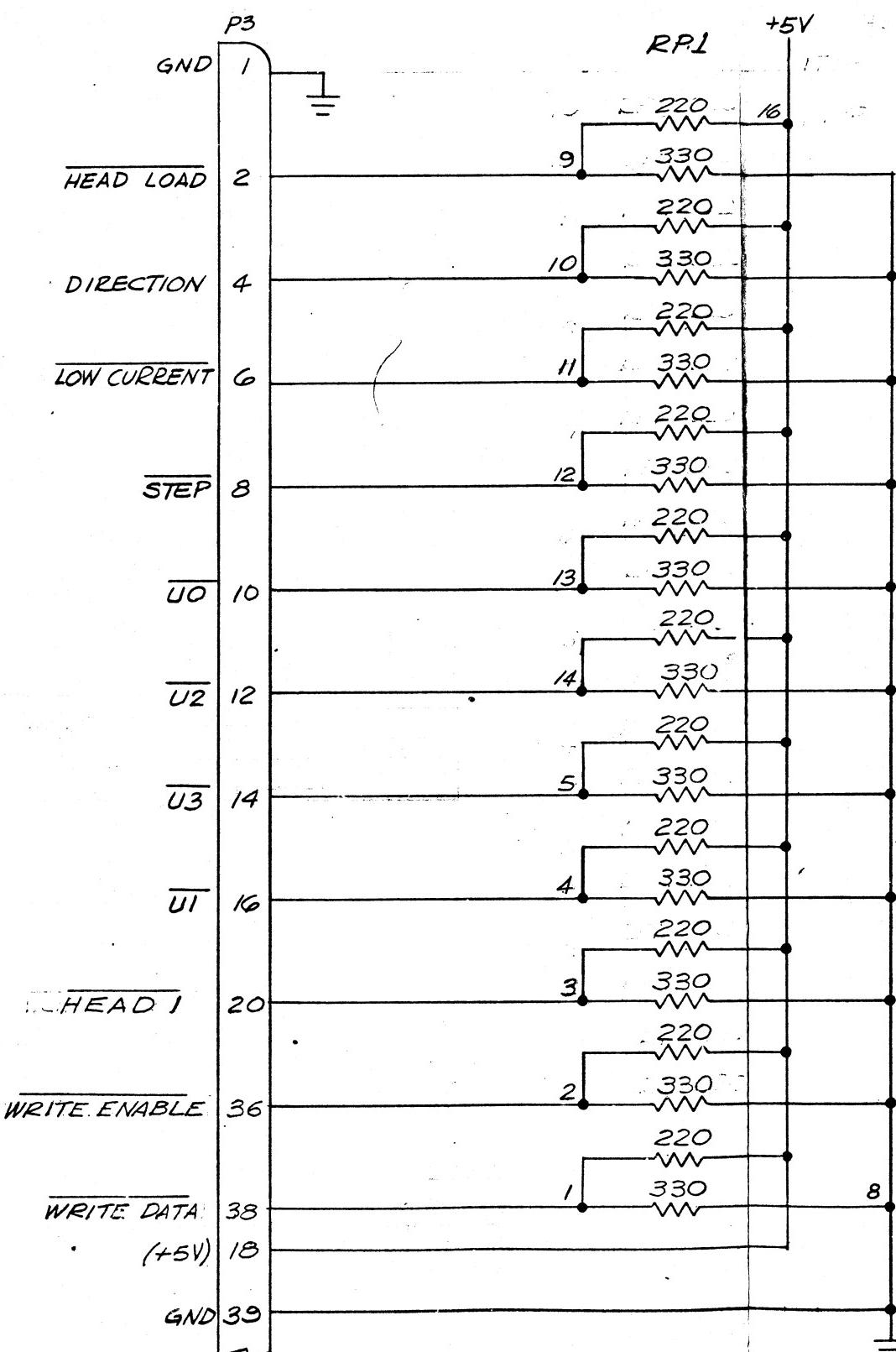
6. CHANGE ITEM 18  
IS: P/N: 01-49420-01, QTY: 5, DESC: IC 74LS174, REF. DESIG: 114,15,16,75  
WAS: P/N: 01-49600-15, QTY: 5, DESC: IC SPECIAL, REF. DESIG: 114,15,16,75

B. 73-53566-XX, ASSY; 75-53566-XX, LOGIC  
 1. CHANGE IC DESIGNATIONS PER B/M CHANGES  
 LISTED ABOVE

C. UPGRADE REVISION LEVEL ONLY:  
 74-53566-00, DETAIL

## REVISIONS

REV	DESCRIPTION	DR	CH	DATE	APPROVAL
CO	PRODUCTION RELEASE PER EN:8288 R	KF	RE	22 MAY 80	PK 5/29/80



TABULATION BLOCK	
DASH NO.	DESCRIPTION
-02	BASIC

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OFFICER OF COMPUTER AUTOMATION, INC.

NOTES UNLESS SPECIFIED	DR. G. FORD	5/29/80
1. TOLERANCES	CHK. P. Kennedy	5/27/80
.XX ±.03	ANGULAR	
.XXX ±.010	±1/2°	
2. BREAK ALL SHARP EDGES	DSG. PK	5/27/80
.010 APPROX.	ENGR. F. Kennedy	5/29/80
3. ALL DIM. IN INCHES		
DASH NO.	NEXT ASSEMBLY	
C	75-53611-XX	REV CO
DO NOT SCALE DRAWING		SHT. 1 OF 1

3. ALL RESISTOR VALUES ARE IN OHMS, 2%, 1W.  
2. LAST REF. DESIG. USED RPI, P3.  
1. FOR LOGIC DWG. DASH NO. SEE TABULATION BLOCK.  
NOTES: UNLESS OTHERWISE SPECIFIED

COMPUTER AUTOMATION INC.   
18651 VON KARMAN, IRVINE, CAL 92664  
TITLE: LOGIC DIAGRAM, FLOPPY  
DISK TERMINATOR